



Missouri Department of Health

TO: Local health agencies, Missouri Department of Health District Offices, Hospital Infection Control Practitioners and Infectious Disease Specialists, Veterinarians, Missouri Influenza Sentinel Physicians, and Other State Infectious Disease Directors

FROM: Howard Pue, DVM, MS, Section Chief
Communicable Disease Control and Veterinary Public Health

SUBJECT: Monthly Communicable Disease Update (**Provisional**) September 2000
(through week 39 ending September 30, 2000)

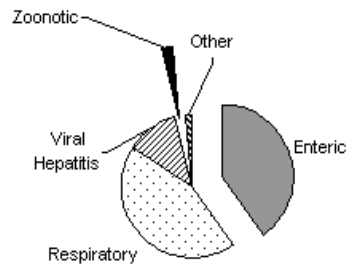
DATE: October 25, 2000

The Section of Communicable Disease Control and Veterinary Public Health will be publishing a monthly update on selected reported communicable diseases. The Section is responsible for reportable communicable diseases without federal funding. This information may also be found on the Missouri Department of Health (MDOH) Homepage at www.health.state.mo.us under Resource Materials.

Educational literature may also be found at this web site in the Publications Section.

The After Hours Emergency Number for the Missouri Department of Health is (573) 751-4674. Diseases can be reported to the local health authority or the Missouri Department of Health at (800) 392-0272.

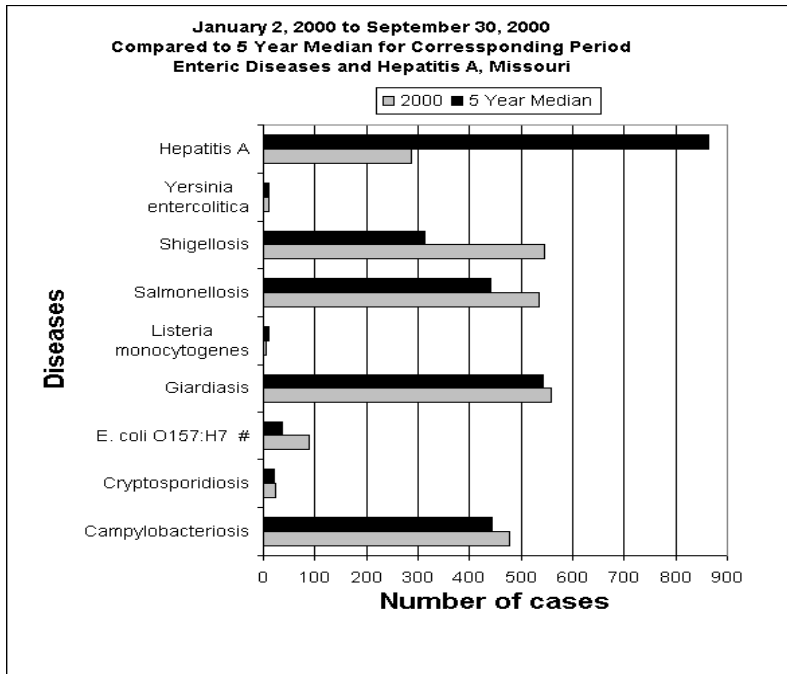
Reported Diseases by Category
Missouri, Year-To-Date
January 2* - September 30, 2000



Each month a different "slice of the pie" is described in the chart to the right.

*Reporting year 2000 began January 2, 2000.

See below for list of diseases in each category.



| | 2000 Sept | 2000 YTD | 1999 YTD | 5 Year Median YTD | % Change 5 Year Median | Number of Cases, Sept 2000 by Health District | | | | | | | |
|--|--------------|-------------|-------------|----------------------|---------------------------|---|----|----|----|----|----|-----|---|
| | | | | | | CD | ED | NE | NW | SE | SW | Unk | |
| Enteric Diseases | | | | | | | | | | | | | |
| Campylobacteriosis | 57 | 478 | 443 | 444 | + | 7.66% | 9 | 8 | 2 | 12 | 6 | 17 | 3 |
| Cryptosporidiosis | 3 | 23 | 20 | 22 | + | 4.55% | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| E. coli O157:H7 # | 8 | 89 | 35 | 37 | + | 140.54% | 1 | 1 | 0 | 2 | 2 | 2 | 0 |
| Giardiasis | 60 | 557 | 502 | 543 | + | 2.58% | 7 | 28 | 0 | 8 | 8 | 6 | 3 |
| Listeria monocytogenes | 1 | 4 | 10 | 10 | - | 150.00% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Salmonellosis | 61 | 535 | 560 | 441 | + | 21.32% | 3 | 17 | 2 | 12 | 16 | 8 | 3 |
| Shigellosis | 45 | 545 | 593 | 312 | + | 74.68% | 1 | 9 | 0 | 31 | 3 | 0 | 1 |
| Yersinia enterocolitica | 1 | 11 | 8 | 11 | | 0.00% | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Respiratory | | | | | | | | | | | | | |
| Influenza (Lab Confirmed) | 3 | 2417 | 938 | 302 | + | 700.33% | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| Legionellosis | 2 | 23 | 16 | 13 | + | 76.92% | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Viral Hepatitis | | | | | | | | | | | | | |
| Hepatitis A | 7 | 287 | 360 | 863 | - | 200.70% | 0 | 3 | 0 | 0 | 1 | 2 | 1 |
| Hepatitis B | 7 | 360 | 111 | 220 | + | 63.64% | 0 | 1 | 0 | 2 | 0 | 4 | 0 |
| Hepatitis C (Acute) | * | | | | | | | | | | | | |
| Hepatitis C (Non-Acute) | * | | | | | | | | | | | | |
| Zoonotic | | | | | | | | | | | | | |
| Ehrlichiosis | 6 | 42 | 21 | 10 | + | 320.00% | 2 | 3 | 0 | 0 | 0 | 1 | 0 |
| Lyme Disease | 2 | 39 | 58 | 38 | + | 2.63% | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| Rocky Mtn Spotted Fever | 3 | 34 | 14 | 14 | + | 142.86% | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| Tularemia | 4 | 26 | 15 | 11 | + | 136.36% | 1 | 0 | 1 | 0 | 0 | 2 | 0 |
| Other | | | | | | | | | | | | | |
| HIB Disease | 2 | 15 | 6 | 7 | + | 114.29% | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Malaria | 0 | 6 | 11 | 9 | - | 50.00% | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meningococcal Disease | 3 | 65 | 68 | 68 | - | 4.62% | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| *Hep C became reportable in 1997; it was previously included in Hepatitis Non A, Non B. Numbers to follow in future reports. | | | | | | | | | | | | | |
| Reportable diseases of very low incidence (<10 cases in previous year) are not included. | | | | | | | | | | | | | |
| ~not divisible by zero | | | | | | | | | | | | | |

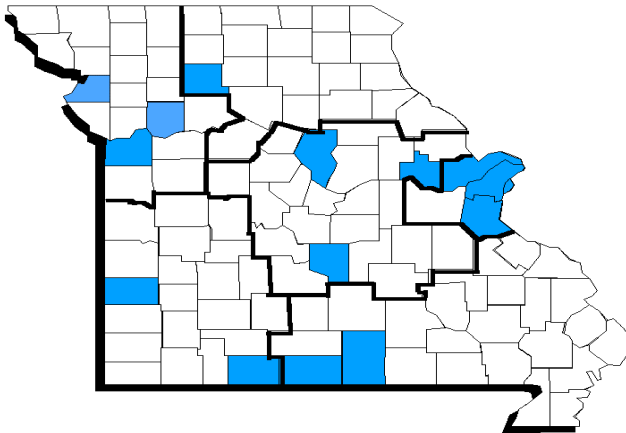
1997 Population Estimates by Missouri Health District

| Central (CD) | Eastern (ED) | Northeast (NE) | Northwest (NW) | Southeast (SE) | Southwest (SW) |
|--------------|--------------|----------------|----------------|----------------|----------------|
| 679,600 | 1,893,900 | 249,200 | 1,276,300 | 545,400 | 757,600 |

The after hours emergency number for the Missouri Department of Health is (573) 751-4674.

Monthly Communicable Disease Update, September, 2000 (Provisional Data)

Confirmed Animal Rabies in Missouri
By Health District
January 2 - September 30, 2000



Confirmed Rabies in Animals

| Species | September | | YTD | |
|---------|-----------|------------|---------|------------|
| | # Exams | # Positive | # Exams | # Positive |
| Dog | 29 | 0 | 498 | 0 |
| Cat | 51 | 0 | 583 | 0 |
| Bat | 121 | 8 | 906 | 38 |
| Skunk | 2 | 0 | 47 | 4 |

| | | | | |
|----------------|----|---|-----|---|
| Fox | 2 | 0 | 11 | 0 |
| Cow | 2 | 0 | 15 | 1 |
| Horse | 2 | 0 | 12 | 0 |
| Ferret | 3 | 0 | 12 | 0 |
| Raccoon | 13 | 0 | 136 | 0 |
| Rodent/Rabbit | 13 | 0 | 139 | 0 |
| Other Domestic | 0 | 0 | 6 | 0 |
| Other Wild | 7 | 0 | 27 | 0 |
| Total | | | | |

Counties Under Rabies Alert: Barton, Boone, Buchanan
and Howell Counties.

Active Surveillance System

Local health agencies have established surveillance sites that report clinical symptoms. This system is intended to rapidly assess changes in the community's health. The current reporting format was implemented in July, 1998.

| Signs and Symptoms of Diseases or Conditions | 2000 | 1999* | September 2000 by Health District | | | | | |
|--|-------|-------|-----------------------------------|-----|-----|-------|-------|-------|
| | Sept | Sept | CD | ED | NE | NW | SE | SW |
| Animal Bites | 258 | 193 | 31 | 13 | 10 | 93 | 57 | 54 |
| Eye Redness w/drainage | 909 | 924 | 169 | 81 | 105 | 177 | 243 | 134 |
| Gastro Intestinal illnesses | | | | | | | | |
| Diarrhea and/or vomiting | 6,251 | 7,185 | 1,302 | 313 | 477 | 1,526 | 1,551 | 1,082 |
| Other | 785 | 179 | 13 | 207 | 20 | 167 | 143 | 235 |
| Respiratory Illness | | | | | | | | |
| Flu-like illness | 3,990 | 4,935 | 872 | 137 | 342 | 1,266 | 620 | 753 |
| Pneumonia | 615 | 410 | 88 | 76 | 80 | 108 | 178 | 85 |
| Other-URI | 2,916 | 1,316 | 139 | 256 | 156 | 354 | 1,401 | 610 |
| Strep | 1,216 | 911 | 273 | 70 | 94 | 332 | 246 | 201 |
| Mono | 74 | 59 | 15 | 0 | 6 | 26 | 23 | 4 |
| Rash Illnesses | | | | | | | | |
| Chickenpox (varicella) | 130 | 217 | 24 | 18 | 14 | 21 | 40 | 13 |
| Shingles - (varicella zoster) | 49 | 50 | 13 | 2 | 6 | 12 | 12 | 4 |
| Fifth Disease | 18 | 15 | 9 | 0 | 0 | 4 | 1 | 4 |
| Hand, Foot & Mouth Disease | 56 | 55 | 11 | 4 | 5 | 15 | 20 | 1 |
| Other | 394 | 164 | 116 | 27 | 17 | 44 | 107 | 83 |
| Hepatitis | | | | | | | | |
| Hepatitis A | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 1 |
| Hepatitis B | 7 | 11 | 1 | 0 | 2 | 2 | 0 | 2 |
| Hepatitis C | 53 | 50 | 4 | 0 | 1 | 12 | 11 | 25 |
| Infestations | | | | | | | | |
| Pediculosis | 4,674 | 5,889 | 1,133 | 183 | 425 | 612 | 1,370 | 951 |
| Scabies | 53 | 70 | 5 | 2 | 0 | 23 | 10 | 13 |
| Other | 67 | 77 | 0 | 13 | 16 | 9 | 23 | 6 |
| Central nervous system illnesses | | | | | | | | |
| Encephalitis | 6 | 0 | 0 | 3 | 0 | 0 | 1 | 2 |
| Meningitis | 23 | 36 | 2 | 9 | 0 | 4 | 2 | 6 |
| Hypothermia | 12 | 1 | 0 | 0 | 12 | 0 | 0 | 0 |
| Hyperthermia | 144 | 130 | 7 | 5 | 19 | 56 | 37 | 20 |
| Other | 23 | 20 | 0 | 0 | 0 | 4 | 16 | 3 |
| *Does not include numbers for Eastern District | | | | | | | | |